AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): An acoustic signal input device comprising:

an input for inputting acoustic signals;

a plurality of bandpass ~~filters~~ filtering units each for passing acoustic signals with frequencies within a predetermined frequency range, and transforming the acoustic signals into electrical signals and amplifying the electrical signals; and

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a plurality of switches each connected to a corresponding bandpass ~~filter~~ filtering units for controlling on and off of the bandpass ~~filter~~ filtering units;

wherein the switches are capable of being selectively turned on ~~so as to~~ such that the bandpass filtering units amplify transformed electrical signals within different frequency ranges at different amplifications.

Claim 2 (currently amended): The acoustic signal input device of claim 1 wherein each of the bandpass ~~filter~~ filtering units comprises:

two signal transformation units for transforming acoustic signals into electrical signals, the signal transformation units having different resonant frequencies for filtering the electrical signals; and

a differential amplifier electrically connected to the signal transformation units for amplifying a

difference between the electrical signals transmitted from the signal transformation units.

Claim 3 (currently amended): The acoustic signal input device of claim 1 wherein each of the bandpass ~~filter~~ filtering units is an amplitude-tunable filter capable of changing amplification of electrical signals.

Claim 5 (currently amended): The acoustic signal input device of claim 1 wherein the plurality of bandpass ~~filter~~ filtering units are formed by performing a micromachining fabrication process.

Claim 6 (currently amended): The acoustic signal input device of claim ~~1 being a microphone~~ 2 wherein the signal transformation units are microphones.

Claim 7 (currently amended): An acoustic signal input device comprising:

an input for inputting acoustic signals;

a plurality of bandpass filters each for passing acoustic signals with frequencies within a predetermined frequency range and transforming the acoustic signals into electrical signals;

a plurality of amplification circuits connected to the bandpass filters for amplifying electrical signals transmitted from the bandpass filters; and

a plurality of switches each connected to a corresponding amplification circuit for controlling on and off of

the amplification circuit;

wherein the switches are capable of being controlled to selectively turn on the amplification circuits so as to amplify electrical signals transmitted from the bandpass filters within different frequency ranges at different amplifications.

Claim 12 (currently amended): The acoustic signal input device of claim ~~7 being a microphone~~ 8 wherein the signal transformation units are microphones.

Claim 14 (currently amended): The acoustic signal output device of claim 13 wherein each of the amplifying elements has a ~~greatest~~ specific amplification for electrical signals within a frequency range corresponding to a frequency range of a channel that is connected to the amplifying element.